
UTAH DEPARTMENT OF TRANSPORTATION

TECHNICAL BULLETIN MT-05.04

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TTQP TRANSPORTATION TECHNICIAN QUALIFICATION PROGRAM

Qualifications

Manual of Instruction Part 8, Section 1014

“The purpose of the Transportation Technician Qualification Program (TTQP) is to ensure quality sampling and testing of materials used in highway construction through certification of industry and department personnel.”

The UDOT Quality Assurance program requires all individuals hold current UDOT TTQP qualifications who perform Quality Control, Verification, Acceptance and Independent Assurance sampling and testing functions for the agency, contractor, vendor or private labs. The technician is only qualified to run materials tests that coincide with their level of qualification. The Resident Engineer is responsible for verifying each technician's level of qualification to ensure that all acceptance tests are performed by qualified personnel.



The TTQP program offers the following qualifications:

- **WAQTC Aggregate Testing Technician (AgTT)**
- **WAQTC Asphalt Testing Technician (AsTT)**
- **WAQTC Concrete Testing Technician (CTT)**
- **WAQTC Embankment and Base/Density Testing Technician (EBTT/DTT)**
- **UDOT Sampling and Reduction Testing Technician (SRTT)**
- **UDOT Sampling, Reduction and Density Testing Technician (SRDTT)**
- **UDOT Superpave Mix Design (SMD)**
- **UDOT Laboratory Testing Technician (LbTT)**
- **UDOT Concrete Strength Testing Technician (CSTT)**

The UDOT TTQP utilizes WAQTC materials and qualifications, as listed, and will accept qualifications obtained in other member states of the WAQTC.

UDOT TTQP will also accept *ACI-Concrete Field Technician* and *ACI-Concrete Strength Testing Technician* as a basis to issue UDOT TTQP **Concrete Testing Technician** and **Concrete Strength Testing Technician** qualifications. A legible copy of the ACI certification/wallet card and a signed “Rights and Responsibilities” form are required.

The qualifications listed as UDOT were developed by the TTQP division and are utilized solely by UDOT. **Sampling and Reduction Testing Technician** and **Sampling, Reduction and Density Testing Technicians** are composite qualifications for those technicians that are utilized in a sampling or sampling/density capacity. Technicians who are qualified in **AgTT** and **AsTT** are qualified in the procedures that are included in the **SRTT** qualification and therefore will not need this qualification. Technicians who are qualified in **AsTT**, **AgTT**, **EbTT/DTT** are qualified in the procedures that are in the **SRDTT**.

WAQTC FOP's (Field Operating Procedures) are available on the WAQTC website. UDOT TTQP FOP's are available on the UDOT TTQP web site listed below.

Course and Exam Schedule and Registration

All qualification *Course and Exams* include one day of refresher presentation and discussion and one day of written and practical examinations (hands-on training is not available in the qualification portion). Some qualification dates may be listed with an *Exam Only* day. All qualifications offer *Exam Only* as an option. Any technician that feels capable of passing the examinations without the refresher presentation is allowed to register for the date the exam is held. *Course and Exams* and *Exam Only* are limited to 10 participants.

The *Course and Exam* schedule is located on the TTQP web page listed below; dates listed as TBA (to be announced) are open and will be held in a location most convenient for the majority of technicians registered. A course that has not been assigned a location may be available, upon request, for a specific location provided that at least five technicians in that area are attending. Any *Course and Exam* may be arranged upon request, providing a minimum of five technicians will be attending and scheduling can be coordinated.

A technician should register on the TTQP web page. Confirmation for *Course and Exam* or *Exam only* attendance will be sent within a week of receiving the registration. Technicians who have special needs should notify the TTQP representative at time of confirmation so that appropriate accommodations can be made.

Examinations

The written portion of the exam is closed book. Making or receiving phone calls during the written portion is not allowed. A calculator is required for most exams, use of PDA's or cell phones for a calculator is not allowed. To pass the written portion a minimum score of 70% overall and a minimum of 60% for each section (FOP) is required. The practical portion of the exam is open book, for reference only, and requires 100% to pass. Two attempts are allowed on both portions of the exams. Failure of either portion on the second attempt is failure of the entire exam. If the qualification is still desired, the technician must attend the course prior to re-examination.

Qualifications

Upon successful completion of the exam the technician will be entered in the UDOT Qualified Technicians Database (also available on the web-site) and a Qualification Certificate will be issued to the technician. This qualification allows the technician to independently perform acceptance testing that falls under that qualification.

Qualifications are valid for three years provided the technician follows the requirements of the Transportation Technician Qualification Program, which includes, but is not limited to, the requirements of the Independent Assurance Program and the TTQP Revocation, Suspension or Denial of Qualification Policy.

A technician's qualification expires on the last day of the month noted as the date of expiration on their Qualification Certificate. Listed on the UDOT Qualified Technicians page as date for retraining on the UDOT website. A technician is not qualified to perform acceptance testing after their qualification has lapsed.

Websites:

WAQTC: <http://www.waqtc.org/>

UDOT TTQP: <http://www2.udot.utah.gov/index.php/m=c/tid=412>

UDOT Materials Quality Assurance Manual (MOI Part 8 Chapter 4):
<http://www2.udot.utah.gov/index.php/m=c/tid=644>

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